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ABSTRACT

This guide focuses on teaching hands-on, discovery-oriented physical science in the elementary classroom using children's literature. Each lesson is an integrated learning episode with a clearly defined science content objective which is supported and enriched through literature, writing, and mathematics. The three sections are: (1) "Properties of Objects and Materials"; (2) "Light, Heat, Electricity, and Magnetism"; and (3) "Position and Motion of Objects." The 20 interdisciplinary science lesson plans address physical science topics such as air, balance, chromatography, colors and colorants, density, engineering, forces, gravity, heat, insulation, light, magnets, mixtures, motion, polymers, scientific experimentation, sound, states of matter, static electricity, temperature, the water cycle, weather, and wind. A discussion of the reasons for teaching science through literature, a correlation with the National Standards for Science Education, reproducible pages containing student data sheets, tips on using classroom science centers, and science journals are also included. (DDR)

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